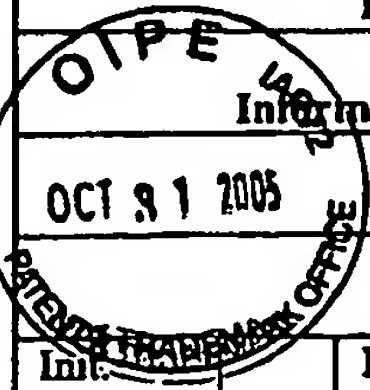
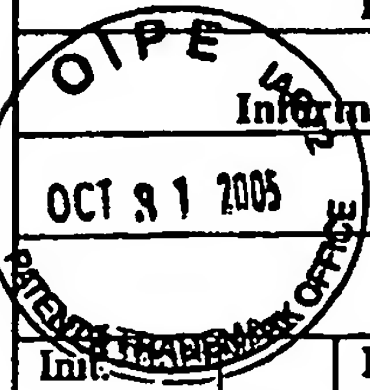


Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. IMMR-IMD0002D		Serial No. 10/657,145		
Information Disclosure Statement by Applicant				Applicant: David Alexander et al.				
(Use several sheets if necessary)				Filed: September 9, 2003		Group: 3714		
U.S. Patent Documents								
Init.		Document No.	Date	Name	Class	Subclass	Filing Date	
TA	EX	5,576,727	11/19/1996	Rosenberg et al.				
TA	EY	5,589,854	12/31/1996	Tsai				
TA	EZ	5,593,306	1/14/1997	Kohnke				
TA	FA	5,609,485	3/11/1997	Bergman et al.				
TA	FB	5,623,582	4/22/1997	Rosenberg				
TA	FC	5,629,594	5/13/1997	Jacobus et al.				
TA	FD	5,666,138	9/9/1997	Culver				
TA	FE	5,682,886	1/4/1997	Delp et al.				
TA	FF	5,687,259	11/11/1997	Linford				
TA	FG	5,690,582	11/25/1997	Ulrich et al.				
TA	FH	5,691,898	11/25/1997	Rosenberg et al.				
TA	FI	5,701,140	12/23/1997	Rosenberg et al.				
TA	FJ	5,704,791	1/6/1998	Gillio				
TA	FK	5,721,566	2/24/1998	Rosenberg et al.				
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							Translation	
Init.		Document No.	Date	Country	Class	Subclass	Yes	No
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TA	FT	Kontarinis et al., "Display of High-Frequency Tactile Information to Teleoperators", SPIE vol. 2057, 1993, pp. 40-50.						
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Examiner					Date Considered			
					1-13-6			
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.								

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U.S. Patent Documents							
Init.		Document No.	Date	Name	Class	Subclass	Filing Date
TM	DZ	5,436,622	7/25/1995	Gutman et al.			
TM	EA	5,437,607	8/1/1995	Taylor			
TM	EB	5,438,529	8/1/1995	Rosenberg et al.			
TM	EC	5,451,924	9/19/1995	Massimino et al.			
TM	ED	5,454,722	10/3/1995	Holland et al.			
TM	EE	5,459,382	10/17/1995	Jacobus et al.			
TM	EF	5,466,213	10/14/1995	Hogan et al.			
TM	EG	5,482,472	1/9/1996	Garoni et al.			
TM	EH	5,483,254	1/9/1996	Powell			
TM	EI	5,483,961	1/16/1996	Kelly et al.			
TM	EJ	5,509,810	4/23/1996	Schertz et al.			
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TM	EM	5,518,406	5/21/1996	Waters			
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TM	EO	5,546,943	8/20/1996	Gould			
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TM	ER	5,559,412	9/24/1996	Schuler			
TM	ES	5,575,761	11/19/1996	Hajianpour			
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							Translation
Init.		Document No.	Date	Country	Class	Subclass	Yes No
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)							
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TM	EU	Iwata, "Pen-Based Haptic Virtual Environment", IEEE, 1993, pp. 287-292.					
TM	EV	Jacobsen et al., "High Performance, Dextrous Telerobotic Manipulator with Force Reflection", Intervention/ROV '91, Conference & Exposition, May 21-23, 1991, pp. 213-218.					
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<div style="text-align: center;">  </div>				Applicant: David Alexander et al.				
<div style="text-align: center;">  </div>				Filed: September 9, 2003		Group: 3714		
(Use several sheets if necessary)								
U.S. Patent Documents								
Init.		Document No.	Date	Name	Class	Subclass	Filing Date	
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TA	B	3,157,853	12/6/1957	J. Hirsch 11/1964				
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TA	T	4,321,047	3/23/1982	Landis				
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Foreign Documents								
							Translation	
Init.		Document No.	Date	Country	Class	Subclass	Yes	No
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TA	Z	Adelstein et al., "Design and Implementation of a Force Reflecting Manipulandum for Manual Control Research", DSC-Vol. 42, Advances in Robotics ASME, 1992, pp. 1-12.						
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Examiner					Date Considered 11-13-6			
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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/657,145		
		Filing Date	September 9, 2003		
		First Named Inventor	David Alexander		
		Group Art Unit	3714		
		Examiner Name	John Sotomayor		
Sheet	4	of	10	Attorney Docket Number	IMMR023/04US

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
CH		4,767,333		Born	08-20-1988
CH		4,726,772		Amplatz	02-23-1988
CH		4,713,007		Alban	12/15/1987
CH		4,712,101		Culver	12-08-1987
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Examiner	Cite	Foreign Patent Document	Name of Patentee or Applicant of Cited	Date of Publication

¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Examiner Signature	Chanda L. Harris	Date Considered	8/15/05
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
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			Filing Date	September 9, 2003	
			First Named Inventor	David Alexander	
			Group Art Unit	3714	
			Examiner Name	John Sotomayor	
Sheet	2	of	10	Attorney Docket Number	IMMR023/04US

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
CH		5,721,566		Rosenberg et al.	02-24-1998
CH		5,704,791		Gillio	01-06-1998
CH		5,701,140		Rosenberg et al.	11-23-1997
CH		5,691,898		Rosenberg et al.	11-25-1997
CH		5,687,259		Linford	11-11-1997
CH		5,682,886		Delp et al.	11-04-1997
CH		5,666,138		Culver	09-09-1997
CH		5,629,594		Jacobus et al.	05-13-1997
CH		5,623,582		Rosenberg	04-22-1997
CH		5,609,485		Bergman et al.	03-11-1997
CH		5,593,306		Kohnke	01-14-1997
CH		5,589,854		Tsai	12-31-1996
CH		5,576,727		Rosenberg et al.	11-19-1996
CH		5,559,412		Schuler	09-24-1996
CH		5,552,995		Sebastian	09-03-1996
CH		5,547,382		Yamasaki et al.	08/20/1996
CH		5,546,943		Gould	08-20-1996
CH		5,531,227		Schneider	07-02-1996
CH		5,518,406		Waters	05-21-1996
CH		5,513,992		Refait	05-07-1996
CH		5,510,832		Garcia	04-23-1996
CH		5,509,810		Schertz et al.	04-23-1996
CH		5,483,961		Kelly et al.	01-16-1996
CH		5,483,254		Powell	01-09-1996
CH		5,482,472		Garoni et al.	01-09-1996
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Examiner Signature	Chanda L. Harris	Date Considered	8/15/05
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